

## ABSTRACT

A foil including optically refractive pyramidal elements, which each have a triangular base. The bases of adjacent elements are turned 180 degrees relative to each other. The foil has optically refractive characteristics upon incidence of electromagnetic waves thereon, which characteristics render the foil suitable for imparting a desired pattern, possibly in a desired direction, to the exiting waves. The pattern may be a uniform pattern, for example, so as to impart a uniform or diffuse light to electromagnetic waves, for example visible light, from a concentrated light source.